

REPORT
OF THE
DEPARTMENT OF HEALTH
OF THE
PANAMA CANAL
FOR THE
MONTH OF DECEMBER, 1914

CHAS. F. MASON

Lieut. Colonel, Medical Corps, United States Army
Chief Health Officer, Balboa Heights, Canal Zone

Gift of the Panama Canal Museum

WASHINGTON
1915

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LETTER OF TRANSMITTAL,

THE PANAMA CANAL, CANAL ZONE,
DEPARTMENT OF HEALTH,
Balboa Heights, January 12, 1915.

Lieut. Col. CHESTER HARDING,
*Acting Governor of the Panama Canal,
Balboa Heights, Canal Zone.*

SIR: I have the honor to submit the following report of the operations of the department of health for the month of December, 1914.

Very respectfully,

CHAS. F. MASON,
Chief Health Officer.

GENERAL REMARKS.

No cases of yellow fever, smallpox, or plague originated on or were brought to the Isthmus during the month.

VITAL STATISTICS.

EMPLOYEES.

The health of the employees remained good during the month. The number of names on the rolls for the preceding month was 36,224.

The total number of admissions to hospitals and quarters was 1,000, a rate of 331.27 per thousand, as compared with 298.93 for the preceding month and 494.71 for the corresponding month of last year.

The total number of deaths from all causes was 19. Of these 11 died from disease, or 3.64 per thousand, as compared with 1.61 for the preceding month and 5.24 for the corresponding month of last year; there were no deaths from disease among white employees. The diseases causing the largest number of deaths were as follows: Lobar pneumonia, 2; tuberculosis of the lungs, 2. No other diseases caused more than 1 death.

The constantly noneffective rate was 10.57, compared with 10.82 for the preceding month and 14.33 for the corresponding month of last year.

The total admission rate for malaria, hospitals and quarters, was 60.95, compared with 69.08 for last month, and the total noneffective rate 1.18, compared with 1.53 for last month, each of these rates being lower than for the same month last year.

The diseases next to malaria causing the highest admission rates, in the order of their numerical importance, were venereal diseases and diseases of the nervous, digestive, and respiratory systems. These five classes of diseases caused 49 per cent of all admissions to hospitals.

The admission rate for typhoid fever was 0.33, as against none for the previous month and 0.95 for the corresponding period of last year.

EFFECTS OF RACE.

The admission rate to hospitals and death rate for disease for black employees were 171.93 and 4.30 per thousand, as compared with 359.15 and no deaths from disease for white employees. The noneffective rate for disease and injuries for black employees per thousand was 9.03, as compared with 19.20 for white employees.

The admission rate to hospitals and quarters for malaria was 41.03 per thousand for blacks as compared with 171.96 for whites.

The death rate for Americans was 2.69, while among the Europeans no deaths were recorded. The admission rate to hospitals for disease for the latter was 424.47, compared with 270.32 for Americans. The admission rate for malaria to hospitals and quarters was 206.50 for Europeans, as compared with 163.87 for Americans.

DEPORTATIONS.

There were 19 deportations accomplished during the month, 16 employees and 3 nonemployees; for disease, 14, and for injury, 5.

CANAL ZONE.

Among the 36,862 residents of the Canal Zone there was a total of 46 deaths; of these 38 deaths were from disease, giving a rate of 12.37 per thousand, as compared with 12.66 for the preceding month and 15.05 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 61, compared with 46 last month.

There were 64 births reported, giving a rate of 20.83 per thousand. Of these births 16 were of white and 48 of colored children. There was 1 death of white and 13 deaths of colored children under 1 year of age, giving an infant mortality per thousand of 62 for white and 271 for colored children, with a general average of 219.

PANAMA CITY.

The population of the city is 60,000, among whom there was a total of 198 deaths; of these 195 deaths were from disease, giving a rate of 39 per thousand, as compared with 33.20 for the preceding month and 40.45 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 55, compared with 48 last month. The principal causes of death showing an increase as compared with November were: Malarial fever, 15, as against 12 last month; cerebral hemorrhage, 3, as against none for the preceding month; pneumonia, 21, as against 15 for last month; diarrhea and enteritis (under 2 years), 35, compared with 25 for the month of November. The deaths from

malaria in Panama are open to considerable doubt as to the diagnosis, practically all of them being clinical.

There were 232 births reported, giving a rate of 46.40 per thousand. The infant mortality was 375 per thousand.

COLON.

The population of the city is 29,331, among whom there were 57 deaths: of these 53 were from disease, giving a rate of 21.69 per thousand, as compared with 17.59 for the preceding month and 20.17 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 42, compared with 44 last month.

The principal causes of deaths showing an increase as compared with November were: Organic disease of heart, 7, as against none last month; nephritis, 6, compared with 1 for the preceding month; malnutrition, 7, as against 1 for the month of November.

There were 92 births reported, giving a rate of 37.64 per thousand. The infant mortality was 174 per thousand.

HOSPITAL DIVISION.

ANCON HOSPITAL.

During the month the average number of patients constantly in hospital was 510. The per capita cost of patients in hospital proper was \$1.90 gross and \$0.925 net. The per capita cost of patients in the insane asylum was \$0.52.

FARM FOR DISABLED.

The per capita cost was \$0.536, as compared with \$0.41 in November.

During the month work was continued on cleaning pasture and grounds for asylum buildings. The vegetable garden and nursery were cultivated and 365 fruit trees were planted. The old hog barn was moved from Ancon to Corozal Farm, and 210 fence posts were made.

INSANE DEPARTMENT.

There were 14 admissions during the month, 9 discharges, and 3 transfers to the surgical wards of the hospital. Five patients were deported—2 to Antigua, 1 to Montserrat, 1 to Nevis, and 1 to the United States.

The inmates occupied in farm work at the hospital farm, Corozal, are employed at present in clearing and excavating for the asylum buildings now being erected on a site contiguous to the dairy.

It is expected that a sufficient number of buildings will be ready for occupancy about March 1, when it is proposed to transfer the male section of the present institution to the new location, while the female patients will be retained at Ancon until such time as buildings for their accommodation are completed.

On the 15th of January one large building, constructed in 1909 to provide accommodation for the increase in number of males at that time, will be turned over to the quartermaster's depart-

ment for remodeling into employees' quarters, there no longer being any necessity for its retention.

Three new sewing machines have been added to the equipment of the sewing room, which materially increased the output of articles manufactured by female patients during the month.

CHRONIC WARD.

There were 28.13 chronic and incurable patients constantly cared for during the month. The cost per patient per day was \$0.308.

Detailed statistics are shown in Table XIII.

COLON HOSPITAL.

The highest number of patients treated on any one day during the month was 54, the lowest number 38, the daily average being 47.29. The average number of employees constantly sick was 31.35. The average number of days' treatment per employee was 6.64. The per capita cost of patients was \$1.86 gross and \$1.02 net. Detailed statistics are shown in Table XIV.

PALO SECO LEPER ASYLUM.

The number of patients under treatment at the end of the month was 50, as against 49 for the preceding month. The per capita cost per patient was \$0.85.

Detailed statistics are shown in Table XV.

SANTO TOMAS HOSPITAL.

During the month a total of 1,568 patients were treated in hospital, with a daily average of patients in hospital of 475. The hospital is now being run to its full capacity, and when the number of patients in hospital reaches or exceeds 500, as it has on several days of this month, its resources are seriously taxed to care for them.

There was a total of 14,728 hospital days, with an average of 9 days' treatment per patient. Our ration cost has increased slightly, due to the increased prices of foodstuffs, and now reaches \$0.251 per day.

There has been a total of 77 deaths in the hospital during this month, of which number 10 were from Colon. The number of births reached 106, while the stillbirths showed a proportionate decrease for the month and total but 9.

Typhoid fever, beriberi, and dysentery are decreasing, while malaria shows a slight increase. One case of diphtheria and three of measles occurred during the month.

A large number of infants are being brought to the dispensary for treatment. These patients all show a decided lack of care, and most of the mothers show a lamentable lack of knowledge in the preparation of the food for their children. A surprisingly large number of these patients are bottle fed, and the mothers give them a variety of food poorly prepared and calculated to produce the severe cases of enteritis and marasmus that are encountered in this clinic.

Detailed statistics are shown in Table XVI.

DISTRICT DISPENSARIES.

The dispensary having the highest admission rate for malaria was Corozal, with an average weekly percentage of 0.32, while at Toro Point no cases were admitted.

Detailed statistics are shown in Table IX.

SANITATION—CANAL ZONE.

The malarial incidence has kept low, the weekly rate for employees having averaged a little less than 0.18 per cent as compared with 0.22 per cent last December, which was the lowest December on record.

A considerable part of the new cases of malaria that now appear may be attributed to the fault of the persons sick, whether the fault be named carelessness, recklessness, or over-confidence in the salubrity of the Isthmus. They are attributable to evenings or nights spent in the open at such places as Old Panama, where no sanitary work is done, or the Casino, an open-air resort on the outskirts of Panama in a neighborhood where malaria has abounded. The health department does not claim to have brought about such conditions as to make night life in the open advisable, however comfortable it may be. Automobiles invite to and promote such exposure as is here referred to.

Another portion of the cases are in negroes, living in the bush on privately-owned land in Mirazal, the district between and to the east of Panama and Corozal, where effective prophylactic work would be relatively so expensive that little has been done. However, larger expenditure will be undertaken there at once. Extensive flooding of low areas bordering this district, in consequence of a new hydraulic fill beside the Ancon-Corozal Road, has given rise to extensive breeding and necessitated very active work, the beneficial effects of which are now beginning to show.

Table XVII indicates the very small amount of larvacide now used, with resulting great saving of money. The consumption of oil has also been greatly reduced of late, except at Ancon and Corozal. Hydraulic fills account for most of the large amount used at those stations.

The adult mosquitoes destroyed in houses are mostly caught at car camps and at Frijoles, where little or no antimosquito work of other kinds is done. There has been very heavy breeding about Frijoles, because a rise of 1 foot in Gatun Lake has backed the water into extensive areas of grass and brush in and about the town, and the breeding occurs in those areas.

The general sanitary conditions are good.

The following communicable diseases were reported during the month:

Measles.....	1	Tuberculosis.....	3
Scarlet fever.....	1	Infectious diseases of the eye.....	1
Mumps.....	33	Whooping cough.....	12
Diphtheria.....	8	Dysentery.....	1
Malarial fever.....	286		

Detailed statistics are shown in Table XVII.

SANITATION—PANAMA.

COMMUNICABLE DISEASES.

TUBERCULOSIS.

About 10 per cent of all deaths have as their cause tuberculosis of the several forms. A blue-print map is being used to determine the location of foci, in which this disease is most prevalent, and plans are being made for antituberculosis campaign.

TYPHOID FEVER.

One case of typhoid fever was reported for the month, the source of origin undetermined.

DIPHTHERIA.

One case of diphtheria was reported during the month, occurring in an adult. Case was of a very mild nature.

BERIBERI.

Two cases of beriberi were reported in December, which were not unlike those occurring during the several months preceding.

Below is a recapitulation of suspected beriberi cases, examined in one of the public institutes of this city:

Total number of cases.	Average age, years.	Edema or slight pitting cases.	Pain in knees or legs.	Tires after exertion.	Formication or anesthesia.	Reflex disturbance.
21	17.4	12	15	14	10	7

This series of cases covers all of the students who had been ill during the six or eight weeks preceding the examination. There was nothing in their diet at that time or to be found from examination of old menu lists to indicate that the disease was one of food deficiency. Many of those examined gave history of previous attacks of malaria.

The superintendent of the institute in question reported that there had been no occurrence of other cases, and that all of the boys who were under observation had rapidly recovered.

MUMPS.

During the month there were 28 cases of mumps reported, which seems to be the down sweep of quite a little epidemic which has been occurring throughout the latter six months of 1914.

DISINFECTIONS.

Disinfection of rooms occupied by patients having had infectious diseases is performed by this office with the use of a 1-6 solution of larvacide, thoroughly scrubbing the floors and lower third of the

walls and going over the articles of furniture with a cloth wet with this solution. Articles of clothing are first soaked in this solution and afterwards boiled.

Detailed statistics are shown in Table XVII.

SANITATION—COLON.

During the month 23 persons were vaccinated. There were 12 convictions and fines for violations of the sanitary laws.

The following cases of communicable diseases were reported during the month:

Measles.....	15	Chickenpox.....	2
Mumps.....	7	Tuberculosis.....	3

Detailed statistics are shown in Table XVII.

QUARANTINE SERVICE.

During the past month a number of vessels arrived without proper bills of health as required by law. These violations have been reported and proper legal action taken.

Transfer of the station from Culebra Island to Balboa dump has been partially completed. The erection of the two remaining buildings—cabin and steerage detention barracks—is under way and should be completed during the present month. Repairs and painting at the Colon station are nearing completion.

Passenger traffic, reported as markedly decreased for November, is returning to its normal condition, and considerable increase in the number of detentions in quarantine is looked for in the near future.

Quarantine conditions in South America show no marked change on the west coast. Plague seems to be on the increase in Guayaquil and an increase in the number of cases of yellow fever is looked for, owing to movements of troops reported in Ecuador. We have had some indefinite rumors of yellow fever occurring in Colombian ports, but have been unable to verify this report; a close watch and six-day quarantine is maintained against these ports. It is understood that typhoid also is extensively prevalent on the Colombian coast. One death from yellow fever at Curacao was reported as having occurred on December 9, but our quarantine against Curacao is maintained for fear of just such conditions, it being so close to the Venezuelan coast, with which there is reported considerable contraband traffic.

The plague situation in New Orleans has shown a steady improvement, no human cases having been reported for some time.

Two or more vessels per month are being put through the canal "in quarantine." Some difficulty has been encountered in this, due to delays, etc., on the part of the steamship companies in making provisions for transfer of passengers, etc. It is expected, however, that this procedure will be in smooth running order in a short while.

No disease of a quarantinable nature has entered our terminal ports during the month referred to.

Detailed statistics are shown in Table XVIII.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES: DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE.

ABSOLUTE NUMBERS.

Color.	Number of employees.	Admissions to hospitals.			Died.			Noneffective from sickness.	
		Total.	Disease.	External causes.	Total.	Disease.	External causes.	Days treated.	Constantly non-effective.
Dec., 1914.									
White.....	5,513	165	138	27	1	.....	1	3,281	105.85
Colored.....	30,711	440	344	96	18	11	7	8,600	277.43
Total.....	36,224	605	482	123	19	11	8	11,881	383.28
Nov., 1914.									
White.....	5,759	174	148	26	4	2	2	3,525	117.51
Colored.....	31,413	418	301	117	10	3	7	8,545	284.82
Total.....	37,172	592	449	143	14	5	9	12,070	402.33
Dec., 1913.									
White.....	9,029	532	429	103	2	1	1	8,616	277.94
Colored.....	41,328	763	512	251	27	21	6	13,763	443.96
Total.....	50,357	1,295	941	354	29	22	7	22,379	721.90

PROPORTIONATE NUMBERS.¹

<i>Dec., 1914.</i>									
White.....	5,513	359.15	300.38	58.77	2.18	.....	2.18	.....	19.20
Colored.....	30,711	171.93	134.41	37.51	7.03	4.30	2.73	.....	9.03
Total.....	36,224	200.42	159.67	40.75	6.29	3.64	2.65	.....	10.57
<i>Nov., 1914.</i>									
White.....	5,759	362.56	308.39	454.17	8.34	4.17	4.17	.....	20.41
Colored.....	31,413	159.68	114.98	44.69	3.82	1.15	2.67	.....	9.06
Total.....	37,172	191.11	144.95	46.16	4.51	1.61	2.90	.....	10.82
<i>Dec., 1913.</i>									
White.....	9,029	707.05	570.16	136.89	2.66	1.33	1.33	.....	30.78
Colored.....	41,328	221.54	148.66	72.88	7.84	6.10	1.74	.....	10.74
Total.....	50,357	308.59	224.24	84.35	6.91	5.24	1.67	.....	14.33

¹ Annual average per 1 000.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES: DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE—Continued.

PROPORTIONATE NUMBER—Continued.

Place.	Popula- tion.	Deaths.			Annual average per 1,000.		
		Total.	Dis- ease.	Exter- nal causes.	Total.	Dis- ease.	Exter- nal causes.
<i>Dec., 1914.</i>							
Panama.....	60,000	198	195	3	39.60	39.00	0.60
Colon.....	29,331	57	53	4	23.33	21.69	1.64
Canal Zone.....	36,862	46	38	8	14.97	12.37	2.60
Total.....	126,193	301	286	15	28.62	27.19	1.43
<i>Nov., 1914.</i>							
Panama.....	60,000	176	166	10	35.20	33.20	2.00
Colon.....	29,331	46	43	3	18.82	17.59	1.23
Canal Zone.....	36,977	44	39	5	14.28	12.66	1.62
Total.....	126,308	266	248	18	25.27	23.56	1.71
<i>Dec., 1913.</i>							
Panama.....	47,172	166	159	7	42.23	40.45	1.78
Colon.....	20,232	34	34	.....	20.17	20.17	.....
Canal Zone.....	57,400	80	72	8	16.72	15.05	1.67
Total.....	124,804	280	265	15	26.92	25.48	1.44

TABLE II.—DEATHS BY AGE, COLOR, AND SEX.

Age.	White.			Colored.			Yellow.			Total.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Under 1 year...	3	2	5	66	50	116	.....	.....	.....	69	52	121
1 to 4 years.....	3	.....	3	20	13	33	.....	.....	.....	23	13	36
5 to 10 years.....	.....	.....	.....	1	3	4	.....	.....	.....	1	3	4
11 to 20 years.....	.....	.....	.....	5	6	11	.....	.....	.....	5	6	11
21 to 20 years.....	4	2	6	26	21	47	1	1	2	31	24	55
31 to 40 years.....	1	.....	1	13	8	21	.....	.....	.....	14	8	22
41 to 50 years.....	1	1	2	7	10	17	.....	.....	.....	8	11	19
51 to 60 years.....	2	.....	2	9	6	15	.....	.....	.....	11	6	17
61 to 70 years.....	1	.....	1	4	5	9	.....	.....	.....	5	5	10
71 to 80 years.....	.....	1	1	.....	.....	.....	1	.....	1	1	1	2
81 to 90 years.....	.....	.....	.....	1	1	2	1	.....	1	1	1	2
Not stated.....	.....	.....	.....	1	1	2	.....	.....	.....	1	1	2
Total.....	15	6	21	152	124	276	3	1	4	170	131	301

TABLE III.—DEATHS BY NATIONALITY.

Nations.	Employees.	Non-employees.	Total.
Barbados.....	7	27	34
British Guiana.....		1	1
China.....		4	4
Colombia.....		7	7
Costa Rica.....		1	1
Curaçao.....	1		1
Demerara.....		3	3
Ireland.....		1	1
Italy.....		1	1
Jamaica.....	7	57	64
Martinique.....	1	3	4
Montserrat.....	1	2	3
Panama.....		162	162
Spain.....		2	2
St. Kitts.....		1	1
St. Lucia.....	1	3	4
Trinidad.....		2	2
United States.....	1	4	5
Venezuela.....		1	1
Total.....	19	282	301

TABLE IV.—DEATH RATE AMONG AMERICANS ON THE ISTHMUS CONNECTED WITH THE PANAMA CANAL.

	Cases.	Cause of death.	Number of deaths.	Annual average per 1,000.
White employees from the United States.....	4,467	Disease.....		
		External causes.....	1	2.69
		All causes.....	1	2.69
White women and children from the United States.....	3,505	Disease.....	1	3.42
		External causes.....		
		All causes.....	1	3.42
White employees and their families from the United States.....	7,972	Disease.....	1	1.51
		External causes.....	1	1.51
		All causes.....	2	3.02
Total number of Americans on the Canal Zone.....	11,656	Disease.....	1	1.03
		External causes.....	2	2.06
		All causes.....	3	3.09

TABLE V.—CAUSES OF DEATHS OF EMPLOYEES OF THE PANAMA CANAL AND PANAMA RAILROAD.

Causes of deaths.	White.	Colored.	Total.
<i>Disease.</i>			
Chronic nephritis.....		1	1
Duodenal ulcer.....		1	1
Gangrene of lungs.....		1	1
Organic disease of heart.....		1	1
Lobar pneumonia.....		2	2
Malarial fever.....		1	1
Stricture of esophagus.....		1	1
Tuberculosis, disseminated.....		1	1
Tuberculosis of lungs.....		2	2
<i>External causes.</i>			
Accidental drowning.....		2	2
Dynamite explosion.....		1	1
Electric shock.....	1	1	2
Traumatism by other crushings.....		1	1
Railroad traumatism.....		2	2
Total.....	1	18	19

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE.

Disease.	Pana-ma.	Colon.	Canal Zone.	Total.
<i>General diseases.</i>				
Malarial fever:				
Estivo-autumnal.....	2		1	3
Mixed.....		1		1
Clinical.....	13	2	1	16
Diphtheria and croup.....			1	1
Croup.....			1	1
Dysentery.....	2			2
Erysipelas.....	3			3
Tetanus.....	1			1
Pellagra.....	6		1	7
Beriberi.....		1		1
Tuberculosis of the lungs.....	17	6	3	26
Abdominal tuberculosis.....	1			1
Tuberculosis of other organs.....			1	1
Disseminated tuberculosis.....		1		1
Rickets.....	3			3
Syphilis:				
Tertiary.....	1			1
Period not stated.....	1			1
Cancer and other malignant tumors of the stomach and liver.....	1			1
Cancer and other malignant tumors of the female genital organs.....	1			1
Cancer and other malignant tumors of other organs and of organs not specified.....	2			2
Acute articular rheumatism.....			1	1
Anemia, primary, pernicious.....			1	1

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE.

Disease.	Pana- ma.	Colon.	Canal Zone.	Total.
<i>Diseases of the nervous system and of the organs of special sense.</i>				
Simple meningitis.....	2	—	—	2
Cerebral hemorrhage, apoplexy.....	3	2	—	5
Softening of the brain.....	1	—	1	2
Convulsions of infants (under 5 years of age)....	1	2	1	4
<i>Diseases of the circulatory system.</i>				
Pericarditis.....	1	—	—	1
Acute endocarditis.....	2	—	—	2
Organic diseases of the heart.....	3	7	—	10
Angina pectoris.....	1	—	—	1
Arteriosclerosis.....	3	—	—	3
<i>Diseases of the respiratory system.</i>				
Acute bronchitis.....	3	7	2	12
Chronic bronchitis.....	1	—	—	1
Broncho-pneumonia.....	16	—	—	16
Pneumonia (unqualified).....	1	1	1	3
Lobar pneumonia.....	4	—	1	5
Pulmonary congestion, pulmonary apoplexy.....	1	—	—	1
Gangrene of the lungs.....	—	—	1	1
Asthma.....	1	—	—	1
Pulmonary emphysema.....	1	—	—	1
Other diseases of the respiratory system (tuberculosis excepted).....	1	—	—	1
<i>Diseases of the digestive system.</i>				
Diseases of the mouth and annexa.....	1	—	—	1
Follicular tonsillitis.....	—	1	—	1
Stricture of the esophagus.....	—	—	1	1
Acute gastritis.....	2	—	—	2
Chronic gastritis.....	—	1	—	1
Acute indigestion.....	—	1	—	1
Diarrhea and enteritis (under 2 years).....	35	2	7	44
Colitis.....	3	—	—	3
Diarrhea and enteritis (2 years and over).....	3	1	—	4
Acute appendicitis.....	1	—	—	1
Intestinal obstruction.....	1	—	—	1
Other diseases of the intestines.....	1	—	—	1
Duodenal ulcer.....	—	—	1	1
Abscess of liver (unqualified).....	1	—	—	1
Cholecystitis.....	—	1	—	1
Simple peritonitis (nonpuerperal).....	2	—	—	2
Other diseases of the digestive system (cancer and tuberculosis excepted).....	1	—	—	1
<i>Nonvenereal diseases of the genito-urinary system and annexa.</i>				
Acute nephritis.....	5	2	1	8
Bright's disease (chronic nephritis).....	8	4	1	13
<i>The puerperal state.</i>				
Puerperal hemorrhage.....	1	—	—	1
Puerperal septicemia.....	—	1	—	1
Eclampsia.....	1	—	—	1

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE—Continued.

Disease.	Pana- ma.	Colon.	Canal Zone.	Total.
<i>Malformations.</i>				
Congenital malformations (stillbirth not included).....	1	1	.....	2
<i>Diseases of early infancy.</i>				
Congenital debility, icterus, and sclerema.....	6	.....	1	7
Premature birth.....	6	.....	.....	6
Congenital debility.....	4	1	3	8
Malnutrition.....	7	7	2	16
Other causes peculiar to early infancy (including various consequences of labor).....	1	.....	2	3
Lack of care.....	1	.....	.....	1
<i>Affections produced by external causes.</i>				
Suicide by cutting or piercing instruments.....	1	.....	.....	1
Accidental drowning.....	.....	3	1	4
Traumatism by fall.....	.....	1	.....	1
Traumatism by other crushings (vehicles, railroads, landslides, etc.).....	.....	.....	1	1
Railroad traumatism.....	1	.....	3	4
Dynamite traumatism.....	.....	.....	1	1
Electricity (lightning excepted).....	.....	.....	2	2
Homicide by firearms.....	1	.....	.....	1
<i>Ill-defined diseases.</i>				
Cause of death not specified or ill-defined.....	3	.....	1	4
Total.....	198	57	46	301
Stillbirths.....	17	6	5	28
Grand total.....	215	63	51	329

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE
DECEMBER,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.		Black.	W.		Black.	W.		Black.	W.		Black.
	Americans.	Europeans.		Americans.	Europeans.		Soldiers.	Others.		Soldiers.	Others.	
<i>General diseases—Continued.</i>												
Cancer and other malignant tumors of the female genital organs.....								1	1			
Acute articular rheumatism.....	1						1					
Chronic rheumatism and gout.....	1	1	1									
Anemia, secondary, cause not determined.....								1			1	
Other general diseases.....		1										
Alcoholism, chronic.....												
Alcoholic psychosis.....							1					
<i>Diseases of the nervous system and of the organs of special sense.</i>												
Simple meningitis.....									1			1
Other diseases of the spinal cord.....								1				
Cerebral hemorrhage, apoplexy.....			1									
Softening of the brain.....												2
Other forms of mental alienation.....	1		2				1	3	6			
Dementia precox.....									1			
Epilepsy.....			4									
Convulsions of infants (under 5 years of age).....								1	1		1	
Hysteria.....	1											
Neuralgia.....												
Neuritis.....	3											
Other diseases of the nervous system.....												
Neurasthenia.....	2						1	2				
Diseases of the eyes and their annexa.....	5	1	7				2	6	2			
Diseases of the ears.....	1		3				10	2	1			
<i>Diseases of the circulatory system.</i>												
Organic diseases of the heart.....			1					1	1			1
Aneurysm.....								1				
Arteriosclerosis.....												1
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.).....	1						1					
Hemorrhoids.....			1					1				
Varicocele.....	1		1									
Diseases of the lymphatic system (lymphangitis, etc.).....	1						2					
Lymphadenitis (nonvenereal).....			8				9					

HOSPITALS OF THE PANAMA CANAL FOR THE MONTH OF 1914—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.			Admissions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
		1										1		1				1	1				
												1	1	1				1					
2	1	1				1	1					2	2	1				1			1		
							1											1	1				
																			1				1
														1									2
		1												3				1	3	6			
		2					1							2				1	2				
														4									
						1	1											2	2		1		
												1						1					
												3											
1												1											
												2						1	2				
		2										5	1	9				2	6	2			
												1		3				10	2	1			
							1							1				2	1				1
																		1					1
		1										1						1					
												1		1									
																		2					
1						1						1		8				10					

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE
DECEMBER.

[illegible]

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE
DECEMBER,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.			W.			W.			W.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Nonvenereal diseases of the genito-urinary system and annæxa.</i>												
Bright's disease (chronic nephritis).....			1					3	2			
Other diseases of the kidney and annæxa.....							1	1				
Pyelo-nephrosis.....								5				
Cystitis.....							1	2				
Diseases of the urethra, urinary abscess, etc.....	1		2				1					
Stricture of the urethra, non-venereal.....			1									
Diseases of the prostate.....												
Nonvenereal diseases of the male genital organs.....	2		2				2	1	1			
Hydrocele.....			3					1				
Uterine hemorrhage (nonpuerperal).....								3				
Uterine tumor (noncancerous).....								1				
Other diseases of the uterus.....			1					1				
Cysts and other tumors of the ovary.....									1			
Salpingitis and other diseases of the female genital organs.....	1								5			
<i>The puerperal state.</i>												
Normal labor.....								11				
Accidents of pregnancy.....								2				
Hyperemesis gravidarum.....								1	2			
Abortion.....								5	1			
Other accidents of labor.....								1	1			
Puerperal septicæmia.....												
Eclampsia.....								1			1	
<i>Diseases of the skin and of the cellular tissue.</i>												
Furuncle.....							1					
Carbuncle.....	1						1					
Acute abscess.....	4	1	5				3		2			
Phlegmon and cellulitis.....	3	1							1			
Dhobie itch.....			1				6	2				
Ulcer of the skin.....			1									
Tropical ulcer.....									1			
Impetigo contagiosa.....			1				4		1			
Ingrowing nail.....	1							3				
Other diseases of the skin and annæxa.....	1		2				10	3				

HOSPITALS OF THE PANAMA CANAL FOR THE MONTH OF
1914—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
		3			1	1	2				1			4			1	4	4				1
		1				1								1				2	1				
																		5	2				
																		1	2				
												1		2				1					
														1									
		1					1							1				1					
		3					3	1				2		5				2	4	2			
														3				1					
							1							1				3	1				
														1				2					
																			1				
												1							5				
							5	3										16	3				
																		2					
																		1	2				
																		5	1				
																		1	1				
							1	1			1							1	1				1
																		1			1		
						1												2					
							1					1						1	1				
								1				4	1	5				3					
												3	1					1					
														1				6	2				
														1									
																			1				
														1				4	1				
												1						3					
						1						1	2					11	3				

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE
DECEMBER,

Diseases.	Ancon Hospital.										
	Employees.						Nonemployees.				
	Admissions.			Deaths.			Admissions.			Deaths.	
	W.			W.			W.			W.	
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.
<i>Diseases of the bones and of the organs of locomotion.</i>											
Diseases of the bones (tuberculosis excepted).....								1			
Mastoid abscess.....	1							1			
Periostitis.....								1			
Ankylosis.....								1			
Arthritis.....									2		
Synovitis.....							2				
Amputations.....											
Other diseases of the organs of locomotion.....			2				4	1			
<i>Malformations.</i>											
Congenital malformations (still birth not included).....								1	1		1
<i>Diseases of early infancy.</i>											
Newborn child.....								17			
Malnutrition.....									1		1
Other causes peculiar to early infancy (including various consequences of labor).....									1		1
<i>Old age.</i>											
Senility.....								1			
<i>Affections produced by external causes.</i>											
Poisoning by food.....	3		2								
Other acute poisonings.....								1			
Burns (conflagration excepted).....			2								
Traumatism by firearms.....		1									
Traumatism by cutting or piercing instruments.....	1		13					1	2		
Traumatism by fall.....		2	15					1			
Traumatism in mines and quarries.....			4								
Traumatism by machines.....			8				1				
Traumatism by other crushings (vehicles, railroads, landslides, etc.).....	1	1									
Railroad traumatism.....			3								

HOSPITALS OF THE PANAMA CANAL FOR THE MONTH OF 1914—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
												1						1					
																		1					
1		1										1		1				2					
		9			1			1					9				1						
		3											5					4	1				
																		1	1				1
								3	3									20	3				1
																			1				1
																		1					
		1					1					3		3					1				
														2					1				
												1											
	2	1								1	2	14							1		2		
	1	2						2			1	3	17					1	1	2			1
														4									
														8				1					
		11				1		1				1	1	11				1		1			
														3									

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE
DECEMBER,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.			W.			W.			W.		
	Americans.		Black.	Americans.		Black.	Soldiers.		Black.	Soldiers.		Black.
	Americans.	Europeans.		Americans.	Europeans.		Soldiers.	Others.		Soldiers.	Others.	
<i>Affections produced by external causes—Continued.</i>												
Traumatism by landslides.....			1									
Injuries by animals.....			1									
Fractures (cause not specified)...	1						2	1	2			
Dislocations.....							1					
Sprains.....		2	1				2	1				
Other external violence.....	4	4	33				3	1	2			
<i>Ill-defined diseases.</i>												
Ill-defined organic disease.....												
Cause of death not specified or ill defined.....								2	1			1
Infections of undetermined origin.....	3		1					2	2			
No disease.....							3	14	1			
Total.....	97	44	367	0	0	8	196	170	107	0	3	17

HOSPITALS OF THE PANAMA CANAL FOR THE MONTH OF 1914—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
...
...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	2	...	...	...
1	5	5	1	...	...	...	2	1	2	...	...	...
...	5	4	33	...	...	...	3	1	2	...	...	...
...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
...
1	1	...	...	...	...	3	1	1	...	...	...	...	2	1	...	...	1
...	3	15	1	...	...	...
15	9	73	0	0	2	7	32	28	0	1	4	112	53	440	0	0	10	203	302	135	0	4	21

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT.

[A= American; F= foreign; B= black.]

Hospitals.	Remaining Dec. 1.			Admitted.			Died.		
	A. ¹	F.	B.	A.	F.	B.	A.	F.	B.
<i>Ancon Hospital.</i>									
Panama Canal employees.....	43	35	175	88	35	301	.....	.....	6
Panama Railroad employees.....	5	3	48	9	8	63	.....	.....	2
Panama pay patients.....	.....	.....	.....	.....	.....	2	.....	.....	.....
Other pay patients.....	100	27	35	281	54	70	3	.....	7
Charity patients.....	12	3	41	20	5	30	.....	.....	4
Total.....	160	68	299	398	102	466	3	.....	19
<i>Insane department.</i>									
Panama Canal employees.....	.....	4	13	.....	1	3	.....	.....	.....
Panama Railroad employees.....	.....	.....	8	.....	.....	.....	.....	.....	.....
Panama pay patients.....	.....	10	166	.....	3	3	.....	.....	5
Other pay patients.....	5	.....	3	2	.....	.....	.....	.....	.....
Charity patients.....	5	4	59	1	.....	2	.....	.....	1
Total.....	10	18	249	3	4	8	.....	.....	6
Grand total.....	170	86	548	401	106	474	3	.....	25
<i>Corozal Farm.</i>									
Panama Canal employees.....	.....	7	37	.....	1	5	.....	.....	.....
<i>Chronic ward.</i>									
Charity patients.....	.....	.....	29	.....	.....	4	.....	.....	.....
<i>Colon Hospital.</i>									
Panama Canal employees.....	3	1	12	9	8	42	.....	.....	1
Panama Railroad employees.....	1	1	8	6	1	31	.....	.....	1
Panama pay patients.....	1	.....	1	3	1	7	.....	.....	2
Other pay patients.....	8	.....	4	19	12	12	.....	1	2
Charity patients.....	3	.....	2	2	2	9	.....	.....	.....
Total.....	16	2	27	39	24	101	.....	1	6
<i>Palo Seco Leper Asylum.</i>									
Panama pay patients.....	.....	2	30	.....	.....	1	.....	.....	.....
Charity patients.....	.....	2	15	.....	.....	.....	.....	.....	.....
Total.....	.....	4	45	.....	.....	1	.....	.....	.....
<i>Grand total.</i>									
Panama Canal employees.....	46	47	237	97	45	351	.....	.....	7
Panama Railroad employees.....	6	4	64	15	9	94	.....	.....	3
Panama pay patients.....	1	12	197	3	4	13	.....	.....	7
Other pay patients.....	113	27	42	302	66	82	3	1	9
Charity patients.....	20	9	146	23	7	45	.....	.....	5
Total.....	186	99	686	440	131	585	3	1	31

¹ White.

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT.

[A=American; F=foreign; B=black.]

Discharged.			Transferred.			Remaining Dec. 31.			Average number constantly sick.			
A.	F.	B.	A.	F.	B.	A.	F.	B.	White.		Black	Total.
									A.	F.		
101	54	292	.....	1	2	30	15	176	38.39	24.84	176.51	239.74
11	5	74	.....	.....	1	3	6	34	3.29	3.42	39.32	46.03
.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.84	.84
252	58	53	2	.....	.....	124	23	45	111.10	25.48	36.26	172.84
17	6	25	1	.....	2	14	2	40	10.54	3.64	35.94	50.12
381	123	445	3	1	6	171	46	295	163.32	57.38	288.87	509.57
.....	.....	1	.....	.....	2	.....	5	13	.....	4.45	13.23	17.68
.....	.....	.....	.....	.....	1	.....	.....	7	.....	.....	7.52	7.52
.....	.....	3	.....	.....	1	.....	13	160	.....	11.84	161.68	173.52
1	.....	.....	.....	.....	1	6	.....	2	5.00	.....	2.29	7.29
.....	.....	.....	.....	.....	2	6	4	58	5.49	4.00	59.19	68.68
1	.....	4	.....	.....	7	12	22	240	10.49	20.29	243.91	274.69
382	123	449	3	1	13	183	68	535	173.81	77.67	532.78	784.26
.....	.....	7	.....	.....	.....	.....	8	35	.....	7.26	38.77	46.03
.....	.....	5	.....	.....	.....	.....	.....	28	.....	.....	28.13	28.13
8	6	30	.....	2	12	4	1	11	3.51	1.83	14.58	19.92
5	.....	20	.....	1	6	2	1	12	1.58	1.03	8.80	11.41
1	.....	1	3	.....	4	.....	1	1	.58	.51	1.45	2.54
23	4	11	3	.....	2	1	7	1	5.87	2.25	2.87	10.99
4	2	5	.....	.....	6	1	.....	.....	1.16	.35	.87	2.38
41	12	67	6	3	30	8	10	25	12.70	5.97	28.57	47.24
.....	.....	.....	.....	.....	.....	.....	2	31	.....	2.00	29.02	31.02
.....	.....	.....	.....	.....	.....	.....	2	15	.....	2.00	16.53	18.53
.....	.....	.....	.....	.....	.....	.....	4	46	.....	4.00	45.55	49.55
109	60	330	.....	3	16	34	29	235	41.90	38.38	243.09	323.37
16	5	94	.....	1	8	5	7	53	4.87	4.45	55.64	64.96
1	.....	5	3	.....	6	.....	16	192	.58	14.35	192.99	207.92
276	62	64	5	.....	3	131	30	48	121.97	27.73	41.42	191.12
21	8	35	1	.....	10	21	8	141	17.19	9.99	140.66	167.84
423	135	528	9	4	43	191	90	669	186.51	94.90	673.80	955.21

Number of employees remaining in hospitals:

White..... 75

Colored..... 288

Total..... 363

TABLE IX.—CONSOLIDATED DISPENSARY REPORT.

Stations.	Employees treated in quarters.														
	Re-main-ing Dec. 1.		Admit-ted.		Died.		Dis-charged.		Trans-ferred.		Re-main-ing Dec. 31.		Days lost.		
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	Total
Naos Island.				1					1					7	7
Ancon.	4		113				111		1		5		256		256
Balboa.	2		55	12			48	8	9	4			101	17	118
Corozal.			55	8			49	7	4	1	2		85	9	94
Pedro Miguel	1		6				7						11		11
Paraíso.	1		11				9		1		2		29		29
Culebra.		1	13	27			13	25		2		1	43	36	79
Gamboa.															
Gatun.		2	17	5			12	7	3		2		44	38	82
Colon.	5	7	57	69			58	62			4	14	124	436	560
Margarita Point.															
Total...	13	10	327	122			307	109	18	8	15	15	693	543	1,136

Stations.	All cases treated but not excused.								
	Employees.			Nonemployees.			Total.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
Naos Island...	151	1,268	1,419				151	1,268	1,419
Ancon.	2,332	2,935	5,267	1,740	1,514	3,254	4,072	4,449	8,521
Balboa.	3,490	3,787	7,277	368	290	658	3,858	4,077	7,935
Corozal.	1,499	1,897	2,896	964	302	1,266	2,463	1,099	4,162
Pedro Miguel.	434	888	1,322	471	141	612	905	1,029	1,934
Paraíso.	913	2,080	2,993	350	573	923	1,263	2,653	3,916
Culebra.	517	619	1,136	482	524	1,006	999	1,143	2,142
Gamboa.	66	159	225	43	373	416	109	532	641
Gatun.	731	1,490	2,221	879	601	1,480	1,610	2,091	3,701
Colon.	743	1,607	2,350	650	624	1,274	1,393	2,231	3,624
Margarita Point.	160	409	569				160	409	569
Total...	11,036	16,639	27,675	5,947	4,942	10,889	16,983	21,581	38,564

CONSOLIDATED ADMISSION REPORT.

	White.	Colored.	Total.
Total admissions to hospitals, excluding Corozal			
Farm and chronic ward.....	570	576	1,146
Total admissions of employees to quarters.....	327	122	449
Total.....	897	698	1,595
Less number of patients transferred between hospitals and from quarters to hospitals whose admissions are duplicated in above figures.....	31	51	82
Net admissions to hospitals and quarters.....	866	647	1,513
Net admissions of employees to hospitals and quarters.....	470	530	1,000
Annual average per thousand of admissions of employees to hospitals and quarters.....	1,023.04	207.09	331.27

CONTAGIOUS AND INFECTIOUS DISEASES REPORTED.

Diseases reported by health officers and district physicians.	Health office, Panama.	Health office, Colon.	Canal Zone.	Total.
Measles.....	.....	15	1	16
Typhoid fever.....	1	.....	.....	1
Annual average per 1,000.....	0.20	.....	.....	.....
Scarlet fever.....	.....	.....	1	1
Mumps.....	28	7	33	68
Chicken pox (varicella).....	.....	2	.....	2
Diphtheria (croup).....	1	.....	8	9
<i>Diseases reported only by health officers.</i>				
Beriberi.....	2	.....	.....	2
<i>Diseases reported only by district physicians.</i>				
Malarial fever.....	.....	.....	286	286
Tuberculosis (of any organ).....	.....	3	3	6
Infectious diseases of the eye.....	.....	.....	1	1
Whooping cough.....	.....	.....	12	12
Dysentery.....	.....	.....	1	1

TABLE X.—AVERAGE NUMBER OF EMPLOYEES CONSTANTLY SICK IN HOSPITALS AND QUARTERS.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital.....	74.19	236.54	310.73
Colon Hospital.....	7.95	23.38	31.33
Total.....	82.14	259.92	342.06
Quarters:			
Naos Island.....	.....	.23	.23
Ancon.....	8.26	.....	8.26
Balboa.....	3.26	.55	3.81
Corozal.....	2.74	.29	3.03
Pedro Miguel.....	1.71	.....	1.71
Paraiso.....	.93	.....	.93
Culebra.....	1.39	1.16	2.55
Gatun.....	1.42	1.22	2.64
Colon.....	4.00	14.06	18.06
Total.....	23.71	17.51	41.22
	Hospitals.	Quarters.	Total.
Average number of employees constantly sick:			
White.....	82.14	23.71	105.85
Colored.....	259.92	17.51	277.43
Total.....	342.06	41.22	383.28
Average number of employees constantly sick per 1,000:			
White.....	14.90	4.30	19.20
Colored.....	8.46	.57	9.03
Total.....	9.43	1.14	10.57

TABLE XI.—AVERAGE LENGTH OF STAY IN HOSPITALS OR QUARTERS FOR EACH ADMISSION OF SICK EMPLOYEES.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital.....	15.47	22.38	20.23
Colon Hospital.....	6.82	6.58	6.64
Quarters:			
Naos Island.....		7.00	7.00
Ancon.....	2.63		2.63
Balboa.....	2.81	1.42	2.56
Corozal.....	1.60	1.13	1.54
Pedro Miguel.....	1.71		1.71
Paraiso.....	3.80		3.80
Culebra.....	3.30	1.48	2.07
Gatun.....	2.93	6.14	3.95
Colon.....	2.22	9.05	5.75

TABLE XII.—FINANCIAL STATEMENT.

	November, 1914.	October, 1914.	November, 1913.
Administration:			
Chief health office.....	\$591.98	\$1,775.80	\$5,112.39
Hospital division:			
Ancon Hospital.....	31,567.27	32,915.88	43,160.97
Corozal Farm.....	1,039.86	1,255.95	474.62
Chronic ward.....	276.74	276.52	249.46
Colon Hospital.....	2,983.79	3,227.77	11,168.97
Taboga Sanitarium.....			2,038.71
Palo Seco Leper Asylum.....	1,537.55	1,377.48	1,385.08
Santo Tomas Hospital.....	837.00	811.33	1,499.00
Medical storehouse.....	602.68	729.64	745.60
Construction and repair to buildings....	26,931.46	13,744.13	1,424.48
Total.....	65,776.35	54,338.70	62,146.87
Dispensaries:			
Naos Island.....	59.17	45.03	251.82
Balboa.....	953.50	917.77	1,002.68
Tivoli.....			717.07
Corozal.....	752.04	627.81	934.31
Pedro Miguel.....	398.70	391.00	467.01
Paraiso.....	478.00	487.72	534.36
Culebra.....	440.66	432.67	855.77
Empire.....			975.53
Las Cascadas.....			272.73
Gamboia.....	122.87	115.97	
Bas Obispo.....			391.24
Frijoles.....			263.28
Gatun.....	638.78	589.25	1,330.52
Cristobal.....			1,033.97
Margarita Point.....	114.91	112.96	110.37
Toro Point.....			358.19
Porto Bello.....			335.89
Total.....	3,958.63	3,720.18	9,834.72
Sanitary division:			
General inspector.....	50.00	50.00	762.50
Health office, Panama.....	2,692.09	2,792.02	2,606.58
Street cleaning.....	4,377.90	4,398.68	3,663.08
Health office, Colon.....	2,119.00	2,068.23	2,295.42
Street cleaning.....	1,753.94	1,755.78	1,560.47

TABLE XII.—FINANCIAL STATEMENT—Continued.

	November, 1914.	October, 1914.	November, 1913.
Zone sanitation:			
Ancon.....	\$1, 679. 49	\$1, 851. 59	\$1, 544. 80
Balboa.....	1, 126. 86	1, 089. 76	1, 297. 54
Corozal.....	1, 110. 87	1, 204. 34	1, 579. 37
Miraflores.....			930. 62
Pedro Miguel.....	799. 91	1, 170. 44	2, 575. 81
Paraiso.....	796. 79	1, 126. 23	1, 538. 79
Culebra.....	858. 18	1, 018. 92	1, 292. 15
Empire.....			2, 620. 31
Las Cascadas.....			927. 62
Bas Obispo.....			325. 65
Frijoles.....	102. 00	153. 62	81. 25
Gatun.....	1, 392. 41	1, 597. 08	2, 913. 36
Cristobal and Mount Hope.....	1, 446. 25	2, 064. 51	2, 717. 49
Toro Point.....			41. 67
Porto Bello.....			265. 23
Total.....	20, 305. 69	22, 341. 20	31, 539. 71
Quarantine division.....	3, 562. 04	3, 986. 47	4, 429. 38
<i>Recapitulation.</i>			
Chief health office.....	591. 98	1, 775. 80	5, 112. 39
Hospital division.....	65, 776. 35	54, 338. 70	62, 146. 87
Dispensaries.....	3, 958. 63	3, 720. 18	9, 834. 72
Sanitary division.....	20, 305. 69	22, 341. 20	31, 539. 71
Quarantine division.....	3, 562. 04	3, 986. 47	4, 429. 38
Grand total.....	94, 194. 69	86, 162. 35	113, 063. 07

NOTE.—November, 1914, last available figures.

TABLE XIII.—ANCON HOSPITAL.
REPORT OF NATIONALITY OF PATIENTS TREATED.

	Total number treated.	American.		Other nations.	
		White.	Black.	White.	Black.
Hospital:					
Panama Canal employees.....	677	131	1	70	475
Panama Railroad employees.....	136	14		11	111
Panama Government pay pa- tients.....	2				2
Other pay patients.....	567	381		81	105
Charity patients.....	111	32		8	71
Total.....	1, 493	558	1	170	764
Insane asylum:					
Panama Canal employees.....	21			5	16
Panama Railroad employees.....	8				8
Panama Government pay pa- tients.....	182			13	169
Other pay patients.....	10	7			3
Charity patients.....	71	6		4	61
Total.....	292	13		22	257
Grand total.....	1, 785	571	1	192	1, 021
Soldiers.....	271	271			
Chronics.....	33				32
Corozal Farm.....	50			8	43

REPORT OF DAYS LOST IN HOSPITAL.

	Total.	Ameri- can.	Foreign white.	Black.
Hospital:				
Panama Canal employees.....	7,432	1,190	770	5,472
Panama Railroad employees.....	1,427	102	106	1,219
Panama Government pay patients..	26			26
Other pay patients.....	5,358	3,444	790	1,124
Charity patients.....	1,554	327	113	1,114
Total.....	15,797	5,063	1,779	8,955
Insane asylum:				
Panama Canal employees.....	548		138	410
Panama Railroad employees.....	233			233
Panama Government pay patients..	5,379		367	5,012
Other pay patients.....	226	155		71
Charity patients.....	2,129	170	124	1,835
Total.....	8,515	325	629	7,561
Grand total.....	24,312	5,388	2,408	16,516
Soldiers.....	2,795	2,795		
Chronics.....	872			872
Corozal Farm.....	1,427		225	1,202

Average cost of subsistence per patient per day, \$0.2584.

WARD LABORATORY REPORT.

Blood examinations, total number.....	784
Estivo-autumnal.....	95
Mixed.....	1
Tertian.....	24
Differential counts.....	41
Hemoglobin estimations.....	58
Leucocyte counts.....	77
Red blood counts.....	19
Stool examinations, total number.....	406
Ameba.....	4
Ascaris lumbricoides.....	7
Cercomonas intestinalis.....	1
Ciliated monads.....	9
Entameba (hystolitica and tetragena).....	2
Guaiaac tests.....	9
Pus and blood.....	49
Strongyloides.....	16
Tricocephalus dispar.....	4
Uncinaria (ova).....	41
Urine examinations, total number.....	1,485
Albumen.....	480
Bile.....	29
Casts.....	185
Ciliated monads.....	1
Epithelia.....	103
Guaiaac tests.....	13
Indican.....	24
Pus and blood.....	241
Sugar (pos. 10, neg. 10).....	20
Trichomonas vaginalis.....	1
Sputum examinations, total number.....	198
Positive for tubercle bacilli.....	16
Smear examinations, total number.....	9
Urethral.....	3
Vaginal.....	1
Eye (3 pos. gonococci).....	4
Spinal fluid.....	1

REPORT OF SURGICAL OPERATIONS.

	Number.	Died.
Operations on bones:		
Osteotomy.....	4	.....
Fractures (plating).....	5	.....
Fractures (bone splint).....	2	.....
Adenectomy:		
Cervical.....	1	.....
Inguinal, single.....	19	.....
Inguinal, double.....	1	.....
Femoral.....	2	.....
Herniotomy:		
Inguinal, single.....	6	.....
Inguinal, double.....	1	.....
Ventral.....	1	.....
Genito-urinary tract:		
Nephrectomy.....	1	.....
Nephropepy.....	1	.....
Urethrotomy, external.....	1	.....
Variococele, radical cure.....	2	.....
Epididymotomy.....	11	.....
Amputation of scrotum.....	2	.....
Curetage uteri.....	6	.....
Perineoplasty.....	1	.....
Trachelorrhaphy.....	2	.....
Vaginal sections.....	1	.....
Obstetrical:		
Perineorrhaphy.....	1	.....
Thorax:		
Thoracoplasty.....	2	.....
Rectum:		
Hemorrhoids, radical cure.....	2	.....
General:		
Tenorrhaphy.....	1	.....
Excision of surface neoplasms.....	3	.....
Plastic operations for congenital defect.....	1	.....
Plastic operation for severe injuries.....	3	.....
Laparotomy:		
For tuberculous peritonitis.....	1	1
Gastrotomy.....	1	1
Entero-enterostomy.....	1	.....
Appendectomy.....	13	.....
Appendectomy with local peritonitis.....	1	.....
Appendectomy with general peritonitis.....	1	.....
Supravaginal hysterectomy.....	7	.....
Hysteromyomectomy.....	1	.....
Suspensio-uteri.....	1	.....
Plastic operation for chronic pelvic peritonitis.....	3	.....
Major operations, various other.....	2	.....
Minor operations, various other.....	83	.....
Mayo bunion.....	2	.....
Total.....	200	2

REPORT OF OPERATIONS, EYE AND EAR DEPARTMENT.

	Number.
Alveolar abscess.....	1
Adenoidectomy.....	4
Tonsillectomy.....	4
Iridotomy.....	1
Pterygium excision.....	1
Pterygium transplantation.....	1
Submucous resection (nasal septum).....	4
Cataract extraction.....	2
Rhinoplasty.....	1
	<hr/> 19
Various minor operations:	
Eye.....	4
Nose and throat.....	3
	<hr/> 7
Total.....	26
Total number of cases treated.....	567
Refractions.....	225

OUT-PATIENT DEPARTMENT.

Clinic.	Total visits.	New cases.	Pay cases.	Prescriptions.
Medical clinic.....	237	154	33	223
Surgical clinic.....	255	200	31	62
Eye and ear clinic.....	567	178	33	326
Total.....	1,059	532	97	611

REPORT OF BOARD OF HEALTH LABORATORY.

Bacteriological examination of—		Chemical analysis of—Continued.	
Blood cultures.....	13	Water from well of Balboa	
Diphtheria cultures.....	23	Brewery.....	1
Urine cultures.....	59	Compound for impregnating	
Stool cultures.....	53	towing cable.....	1
Autopsies.....	8	Stains.....	2
Rats.....	1	Molasses.....	1
Pathological fluids, exudates,		Dairy feed.....	1
etc.....	14	Examination of urine of em-	
Sputum.....	1	ployees.....	345
Wassermann reactions.....	202	Surgical tissues and neoplasms re-	
Agglutination reactions.....	2	ported.....	18
Autogenic vaccines prepared.....	3	Autopsies performed (2 medico-	
Reciprocal hemolytic and agglu-		legal).....	28
tination tests of the blood of		Bodies embalmed.....	5
three individuals preliminary		Animals examined or under obser-	
to a transfusion.		vation.....	11
Chemical analysis of—		Pathological tissues prepared:	
Hospital dairy milk.....	2	Paraffin.....	400
Mother's milk.....	6	Frozen.....	12
Milk from private dairies sup-		Rats examined:	
plying cities of Panama and		Mus musculus.....	308
Colon.....	43	Mus norvegicus.....	322
Stomach contents (one medico-		Mus alexandrinus.....	32
legal).....	4	Mus rattus.....	221
Cottonseed hulls.....	1		<hr/> 883
Cottonseed meal.....	1	Examination of blood of employees	
Bran.....	1	for malaria.....	158

REPORT OF OPERATIONS OF HOSPITAL FARM, COROZAL, CANAL ZONE.

Expenditures:

Supervision and office.....	\$200.00
Labor.....	576.97
Subsistence of labor.....	273.72
Quartermaster team service.....	39.15
Electric lights.....	3.90
Ice.....	.90
Material and supplies.....	75.11
	<u>\$1,169.75</u>

Receipts:

Produce supplied local buyer, commissary department.....	171.41
308 heads lettuce, 71 bunches bananas, 189 bunches spinach, 337 bunches radishes, 3,284 okras, 54 chayotes, 1,355 ears corn, 833 pounds papaya, 116 pounds sweet peppers, 87½ dozen eggs, 16½ dozen roses, 7 ferns.	
Produce supplied Ancon Hospital.....	86.10
7,320 okras.....	\$33.66
320 bunches radishes.....	11.77
240 bunches spinach.....	4.41
225 pounds papayas.....	4.66
70 pounds sweet peppers.....	2.80
23 dozen eggs.....	13.80
30 guinea pigs.....	15.00
Sold to private parties.....	147.00
48 loads grass.....	48.00
3 burial permits.....	7.00
2 coffins.....	2.40
31½ dozen roses.....	15.75
8½ dozen eggs.....	5.10
6 settings eggs (84 eggs).....	9.00
48 ears corn.....	1.00
12 pounds sweet peppers.....	.50
23 bunches bananas.....	5.50
6 caladiums, at 25 cents each.....	1.50
28 ferns, at 50 cents each.....	14.00
Pasturage.....	37.25
	<u>404.51</u>

Net running expense..... 765.24

Number of days treatment furnished..... 1,427

Net cost per patient per day..... \$0.53625

Work performed: Cleaning pasture and grounds for asylum buildings; planted out 300 pineapples, 65 oranges, grapefruits, and limes; made 210 concrete fence posts; moved old hog barn from Ancon to Corozal Farm; and cultivated vegetable garden and nursery.

STATEMENT OF COMMITMENTS, DEATHS, AND DISCHARGES, INSANE ASYLUM.

Commitments.

	Male.	Female.
From the Canal Zone, on first commitment.....	5	1
From Panama Government:		
First commitment.....	1 2 3	3
Second commitment.....		2 1
Fourth commitment.....	1	
Fifth commitment.....	1	
Total.....	10	5

¹ One returned from hospital.

² Classification changed.

STATEMENT OF COMMITMENTS, DEATHS, AND DISCHARGES, INSANE ASYLUM—
Continued.*Discharges.*

Nationality.	Well.		Improved.		Unimproved.	
	Male.	Female.	Male.	Female.	Male.	Female.
Africa.....					1 1	
Antigua.....					2 2	
Barbados.....	1					
Cuba.....					1 1	
Jamaica.....	1	1				
Montserrat.....					2 1	
Nevis.....					2 1	
Panama.....				1 1		1
United States.....					2 1	
Total.....	2	1		1	7	1

¹ Transferred to hospital.² Deported.*Deaths.*

Physical diagnosis.	Mental diagnosis.				
	Dementia precox.	Imbecility.	Psychoses accompa- nying other brain or nervous disease.	General paresis.	Infective exhaustive psychosis.
Diarrhea and ente- ritis.....	1 1				
Tuberculosis of lungs.....	1 1				
Congenital malfor- mation.....		1 1			
Cerebro-arterioscle- rosis.....			2 1		
General paralysis of insane.....				2 1	
Diseases of mouth and annexa.....					1 1

¹ Female.² Male.

TABLE XIV.—COLON HOSPITAL.

NATIONALITY OF PATIENTS.

Class.	American white.	Foreign white.	Black.	Total.
Panama Canal employees.....	12	9	54	75
Panama Railroad employees.....	7	2	39	48
Panama pay patients.....	4	1	8	13
Other pay patients.....	27	12	16	55
Charity cases.....	5	2	11	18
Total.....	55	26	128	209

Cost of subsistence per patient per day, 30 cents.

LABORATORY REPORT.

Blood examinations.....	101
Estivo-autumnal.....	13
Tertian.....	6
Quartan.....	2
Stool examinations.....	16
Pus and blood.....	5
Ameba.....	1
Urine examinations.....	414
Albumen.....	91
Casts.....	68
Blood and pus.....	3
Sugar.....	2
Sputum examinations.....	17
Positive for tubercle bacilli.....	8

SURGICAL OPERATIONS.

Amputations:	
Leg.....	1
Digits.....	10
Herniotomy:	
Inguinal, single.....	2
Genito-urinary tract:	
Curetage uteri.....	4
Obstetrical:	
Low forceps.....	2
Breech extraction.....	1
Rectum:	
Hemorrhoids, radical cure.....	1
Laparotomy:	
Appendectomy.....	1
Abscess of liver, laparo-hepatotomy for.....	1
Minor operations, various.....	24

¹ Died.

TABLE XV.—PALO SECO LEPER ASYLUM.

NATIONALITY OF PATIENTS.

Class.	Number treated.		Americans.		Other nations.	
	White.	Black.	White.	Black.	White.	Black.
Panama Canal employees.....	.....	.....	.....	.....	.....	.....
Panama Railroad employees.....	.....	.....	.....	.....	.....	.....
Pay cases.....	2	30	.....	.....	2	30
Charity cases.....	2	16	.....	.....	2	16
Total.....	4	46	.....	.....	4	46

Cost of subsistence per patient per day, 31 cents.

TABLE XVI.—SANTO TOMAS HOSPITAL.

Class.	Remain- ing Dec. 1.	Ad- mitted.	Dis- charged.	Died.	Remain- ing Dec. 31.
Pay cases.....	51	108	109	.....	50
Charity cases.....	420	989	887	77	445
Total.....	471	1,097	996	77	495

Average number of patients constantly sick..... 475
 Total number of days' treatment..... 14,728
 Average number of days' treatment per patient..... 9
 Cost of subsistence per patient per day..... \$0.251

NATIONALITY.

Class.	Number treated.	Americans.		Other nations.	
		White.	Colored.	White.	Colored.
Pay cases.....	159	20	.....	41	98
Charity cases.....	1,409	8	.....	197	1,204
Total.....	1,568	28	.....	238	1,302

DISPENSARY REPORT.

Class.	White.	Colored.	Total.
Natives.....	53	520	573
Foreigners.....	107	493	600
Total.....	160	1,013	1,173

DISEASES TREATED.

Typhoid fever.....	3	Intestinal parasites.....	12
Malarial fever.....	182	Appendicitis and typhlitis.....	6
Measles.....	3	Hernia, intestinal obstructions....	13
Whooping cough.....	1	Other diseases of the intestines....	33
Diphtheria and croup.....	1	Other diseases of the liver.....	4
Influenza.....	13	Simple peritonitis (nonpuerperal)..	1
Dysentery.....	15	Acute nephritis.....	15
Leprosy.....	1	Diseases of the bladder.....	1
Erysipelas.....	1	Diseases of the urethra, urinary	
Other epidemic diseases.....	3	abscess, etc.....	11
Purulent infection and septi-		Nonvenereal diseases of the male	
cemia.....	8	genital organs.....	6
Pellagra.....	12	Uterine hemorrhage (nonpuer-	
Beriberi.....	11	peral).....	1
Tuberculosis of the lungs.....	33	Uterine tumor (noncancerous)....	2
Abdominal tuberculosis.....	1	Metritis.....	6
Tuberculosis of other organs.....	1	Other diseases of the uterus.....	6
Syphilis.....	32	Salpingitis and other diseases of	
Soft chancre.....	23	the female genital organs.....	10
Gonococcus infection.....	27	Normal labor.....	106
Other tumors (tumors of the fe-		Accidents of pregnancy.....	22
male genital organs excepted)....	5	Gangrene.....	1
Acute articular rheumatism.....	17	Furuncle.....	2
Other general diseases.....	2	Acute abscess.....	11
Alcoholism (acute or chronic)....	8	Scabies.....	1
Simple meningitis.....	1	Other diseases of the skin and	
Locomotor ataxia.....	1	annexa.....	47
Paralysis without specified cause.	1	Diseases of the bones (tuberculosis	
Other forms of mental alienation..	8	excepted).....	1
Convulsions (nonpuerperal) (5		Diseases of the joints (tuberculo-	
years and over).....	1	sis and rheumatism excepted)....	2
Other diseases of the nervous sys-		Other diseases of the organs of	
tem.....	7	locomotion.....	9
Diseases of the eyes and their		Congenital malformations (still-	
annexa.....	9	birth not included).....	2
Diseases of the ear.....	1	Newborn child.....	92
Acute endocarditis.....	3	Other acute poisonings.....	5
Organic diseases of the heart.....	18	Burns (conflagration excepted)....	4
Diseases of the arteries, atheroma,		Traumatism by firearms.....	8
aneurysm, etc.....	4	Traumatism by cutting or pierc-	
Diseases of the veins (varices,		ing instruments.....	4
hemorrhoids, phlebitis, etc.)....	4	Traumatism by other crushings	
Diseases of the lymphatic system.	18	(vehicles, railroads, landslides,	
Hemorrhage; other diseases of the		etc.).....	20
circulatory system.....	1	Starvation.....	2
Chronic bronchitis.....	25	Fractures (cause not specified)....	7
Pneumonia (unqualified).....	10	Ill-defined organic disease.....	1
Pleurisy.....	3	Cause of death not specified or ill-	
Asthma.....	2	defined.....	1
Diseases of the mouth and annexa.	4	No disease.....	49
Diseases of the pharynx.....	6		
Diarrhea and enteritis (2 years and		Total.....	1,073
over).....	19		

SURGICAL OPERATIONS.

	Number.	Died.
Digits multiple.....	2	.....
Wiring of fractures, simple.....	2	.....
Adenectomy, inguinal, single.....	11	.....
Adenectomy, inguinal, double.....	1	.....
Herniotomy, inguinal, single.....	11	.....
Herniotomy, ventral.....	2	.....
Urethrotomy, internal.....	7	.....
Urethrotomy, external.....	2	.....
Hydrocele, single, radical cure.....	2	.....
Curetage, uteri.....	6	.....
Perineoplasty.....	1	.....
Cæsarian section, abdominal.....	1	.....
Hemorrhoids, radical cure.....	5	.....
Fistula in anus, excision of.....	1	.....
Excision of surface neoplasms.....	3	.....
Plastic operation for severe injuries.....	1	.....
Plastic operations for effects of disease.....	11	.....
Laparotomy, exploratory.....	3	1
Gastro-enterostomy.....	1	.....
Entero-enterostomy.....	1	1
Appendectomy.....	13	1
Cholecystotomy.....	1	.....
Choledochotomy.....	1	.....
Pan-hysterectomy.....	2	.....
Hysteromyomectomy.....	1	.....
Salpingectomy, double.....	2	.....
Salpingo-oophorectomy.....	6	.....
Oophorectomy.....	1	.....
Suspensio-uteri.....	6	.....
For ectopic gestation.....	1	.....
Major operations, various other.....	4	.....
Minor operations, various.....	19	.....
Total.....	131	3

TABLE XVII.—SANITATION.

The following is a summary of sanitary work performed and material expended during the month of December, 1914, in the Canal Zone:

Work requests on supply department:	
Grass cutting.....	7
Screening.....	6
Miscellaneous.....	8
Work requests on engineering department.....	3
Notices served to abate nuisances.....	14
Arrests.....	2
Convictions.....	2
Inspections of closets.....	1,769
Inspections of restaurants.....	4
Inspection of stores.....	38
Inspections of shops.....	48
Garbage cans emptied.....	78,350
Closets disinfected.....	3,073
Rat traps used daily.....	1,778
Adult Anopheles destroyed in houses.....	29,096
Adult Culices destroyed in houses.....	12,917
Larvacide used.....gallons..	356
Crude oil used.....gallons..	12,468
Rats destroyed.....	344

SUMMARY OF ROUTINE WORK DONE BY THE HEALTH OFFICE, PANAMA.

Mosquito, rat, and fly work:

Linear feet of ditches cleaned and maintained.....	41,363
Linear feet of new ditches dug.....	12,053
Cubic yards of earth used in filling.....	0
Gallons of larvacide used.....	637
Gallons of crude oil used.....	517
Square yards pools oiled.....	89,210
Water containers treated.....	39,240
Mosquito-breeding places found.....	752
Fly-breeding places found.....	289
Flies trapped (13,000 per quart).....	quarts.. 202
Rats trapped.....	782

Garbage collections:

Loads of garbage removed to dump.....	3,761
Cans garbage emptied.....	107,589
Garbage cans placed since Apr. 1, 1914.....	1,537

Buildings:

December—

Buildings inspected.....	4,662
Plans for new buildings approved.....	28
Permits granted for repairs to old buildings.....	70
Total permits granted.....	98
Buildings condemned.....	7
Buildings demolished.....	25

Since Apr. 1, 1914—

Buildings condemned.....	968
Buildings demolished.....	227
Permits for new buildings.....	227
Permits for repairs to old buildings.....	952
Total permits issued.....	1,229
Permits for new buildings completed.....	216
Permits for repairs to old buildings completed.....	793
Total permits completed.....	1,009
Total permits completed, 82.09 per cent.	
Total permits outstanding, 17.91 per cent.	

Street cleaning:

Average number of square yards cleaned daily.....	600,000
Average number of square yards of streets sprinkled.....	90,000
Private properties cleaned during month.....	6
Notices served and nuisances abated.....	116

Vaccinations:

During month.....	378
Since Apr. 1, 1914.....	13,111

GENERAL WORK REPORT FOR COLON, CRISTOBAL, AND MOUNT HOPE.

Colon:

Sanitation, general—

Square yards street cleaned.....	4,051,552
Cubic feet fumigated.....	8,400
Doses quinine issued.....	6,620
Square yards alley maintained.....	701,870
Private properties cleaned.....	30
Rats killed.....	259
Dogs killed.....	83
Loads of yard garbage.....	429
Cans garbage (2,128 cubic yards).....	67,818
Colon dump maintained.....	
Linear yards ditches maintained.....	100
Square yards vegetation removed.....	123,320
Parkway and E Street maintained.....	
Square yards oiled.....	21,950
Buildings inspected.....	4,220
Receptacles treated.....	27,660
Mosquito-breeding places destroyed.....	125
Fly-breeding places destroyed.....	74
Nuisances abated.....	153
Gallons larvacide used.....	132
Gallons oil used.....	403

Colon—Continued.	
Building—	
Plans approved.....	2
Permits to occupy issued.....	1
Permits to repair issued.....	66
Temporary permits to occupy issued.....	0
Bills collected for work for private parties.....	49
Sewers—	
New connections made during month.....	1
Connections made to date.....	1,166
Houses in which extensions were made.....	6
Outstanding permits.....	38
Cristobal:	
Sanitation—	
Cans garbage (564 cubic yards).....	13,482
Loads of yard garbage.....	130
Square yards vegetation removed.....	24,200
Square yards vegetation removed at wireless station.....	10,470
Square yards vegetation removed Panama Railroad reservation.....	20,940
Square yards oiled.....	4,550
Receptacles treated.....	4,100
Mosquito-breeding places destroyed.....	22
Fly-breeding places destroyed.....	9
Buildings inspected.....	200
Gallons larvacide used.....	20
Gallons crude oil used.....	100
Mount Hope:	
Sanitation—	
Cans garbage (155 cubic yards).....	2,979
Square yards vegetation removed.....	25,200
Square yards oiled.....	84,200
Receptacles treated.....	13,650
Mosquito-breeding places destroyed.....	124
Mosquitoes caught in barracks—	
Anopheles.....	153
Culex.....	3,538
Gallons larvacide used.....	102
Gallons crude oil used.....	2,105
Mount Hope Cemetery maintained.....	
Linear yards ditches maintained.....	19,324
Burials made.....	64

General: Vaccinations—1,600 persons were examined; 1,577 were found protected; 23 were vaccinated. Convictions and fines for violations of the sanitary laws, 12. Bacteriological examinations—diphtheria, negative, 1.

TABLE XVIII.—QUARANTINE TRANSACTIONS.

CONSOLIDATED REPORT OF PORTS OF BALBOA-PANAMA AND COLON-CRISTOBAL.

Vessels inspected and passed.....	149	
Vessels held in quarantine.....	19	
Total vessels entered.....		168
Vessels fumigated on arrival.....	9	
Vessels fumigated on departure.....	2	
Total vessels fumigated.....		11
Crew examined.....	10,370	
Passengers examined (including 327 United States troops).....	3,494	
Total persons examined.....		13,864
Persons vaccinated at ports of arrival because of compulsory vaccination law.....	639	
Persons vaccinated at ports of departure or en route because of compulsory vaccination law.....	1,432	
Total persons vaccinated.....		2,071
Persons held in quarantine at the detention houses to complete period of incubation of yellow fever and plague.....	315	
Persons held in quarantine on board vessels to complete period of incubation of yellow fever and plague.....	1,427	
Total persons held under observation.....		1,742

Persons landed from foreign ports:		
Cabin.....	1,726	
Steerage.....	684	
		2,410
Persons embarked for foreign ports:		
Cabin.....	1,695	
Steerage.....	2,043	
		3,738
Persons arriving from coast towns on small launches and sailing craft.	2,161	
Persons sailing for coast towns on small launches and sailing craft.	2,073	
Apparent increase for month from coast towns.....		83
Apparent decrease for month from foreign ports:		
Cabin (increase).....	31	
Steerage (decrease).....	1,359	
		1,328
Immigrants recommended for deportation.....		19
Bills of health issued or vised.....		165
Total persons landed.....	4,571	
Less number for Pacific ports.....	250	
		4,341
Total persons sailing.....		5,616
Total apparent decrease for month.....		1,475

IMMIGRATION REPORT FOR COLON.

From—	Cabin.	Steer- age.
Europe.....	41	15
United States.....	780	37
Jamaica and West Indies.....	91	235
Venezuela.....	16	8
Colombia.....	113	118
Cuba.....	38	17
Co ta Rica.....	46	39
Bocas.....	45	206
Coast towns.....		241
	1,170	916
Men.....		1,223
Women.....		417
Children.....		205
Unclassified.....		241
Total.....		2,086

QUARANTINE—BOCAS DEL TORO.

Vessels inspected and passed.....	219
Crew inspected and passed.....	1,258
Passenger s inspected and passed.....	218
Passenger s, in transit, inspected and passed.....	424

No quarantinable diseases have appeared in this port, and the health conditions of the port and surrounding territory are good.

TABLE XIX.—STATEMENT OF QUININE ISSUED.

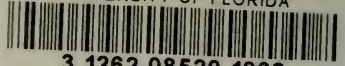
	Kilos.
Quinine sulphate.....	8.0
Quinine sulphate tablets.....	4.1
Total.....	12.1

Pounds avoirdupois, 26.68.

TABLE XX.—PERSONNEL REPORT.

	December, 1914.			November, 1914.	December, 1913.
	Officers and employees.	Skilled and unskilled labor.	Total.	Total.	Total.
Chief health office.....	4	.....	4	3	27
Medical storehouse.....	4	4	8	8	8
Quarantine division.....	23	19	42	41	39
Health office, Panama.....	21	131	152	144	147
Health office, Colon.....	18	102	120	124	120
Ancon Hospital.....	236	111	347	349	504
Colon Hospital.....	12	11	23	34	32
Santo Tomas Hospital.....	5	.....	5	5	5
Taboga Sanitarium.....	.....	.....	.....	.....	16
Palo Seco Leper Asylum.....	11	6	17	24	13
Zone sanitation.....	19	78	97	122	163
Hospital farm.....	2	41	43	41	30
Dispensaries:					
Ancon.....	.....	.....	.....	.....	4
Balboa.....	6	.....	6	6	6
Bas Obispo.....	.....	.....	.....	.....	1
Corozal.....	5	.....	5	5	6
Cristobal.....	.....	.....	.....	.....	6
Culebra.....	3	.....	3	3	5
Empire.....	.....	.....	.....	.....	6
Gamboa.....	1	.....	1	1	.....
Gatun.....	4	.....	4	4	7
Las Cascadas.....	.....	.....	.....	.....	1
Margarita Point.....	1	.....	1	1	1
Naos Island.....	1	.....	1	1	2
Paraiso.....	4	4	5	4
Pedro Miguel.....	3	3	3	4
Porto Bello.....	3
Toro Point.....	2
Total.....	383	503	886	924	1,162

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